

Date:

Grade 7: Math

2.6 Variables - Forming Equations

- When forming equations:
 - Underline the unknowns.
 - Write a let statement explaining your choice of variables.
 - Read the problem carefully and form the equation.

- Examples:
 - a. Two more than a number is ten.
 - b. Three time a number is fifty one.
 - c. A sixth of a number is eight.
 - d. Sofia buys 5 pens and 7 pencils. How much does it cost her?
 - e. Jack buys some banana worth \$1.50 each and apples worth \$2.50. How much does it cost him?
 - f. A recipe calls for 2kgs of sugar and 6 kgs of flour. How much does it cost ?
 - g. Simon buys some notebooks worth \$2 and some magazines worth \$4. What does it cost him?
 - h. A book is sold for \$45 after a \$7 discount. What was the book's original price?
 - i. Five friends share a pizza and split the bill equally. If the pizza costs \$12, how much does each person pay?
 - j. A taxicab charges \$4.50 plus additional \$6 for every kilometer. If Isabella pay \$46 for the cab how far did she travel?
 - k. Jerry had 15 cheese cubes. When Jerry is not looking Tom steals a few. If Jerry now has 8 cheese cubes how many did Tom steal?

- l. Katie buys a magazine that costs \$3 and a few comic books, which cost \$2.50 each. If she pays \$8 at the counter. How many comics did she buy?
- m. The sum of three consecutive integers is 102. What are the numbers?
- n. Mr. Douglas rents some buses to take 72 students to a hockey game. 12 students travel by car, and the buses have equal number of students. If he rents 6 buses, how many children travel by each bus?
- o. Janine is going to school which is 2250 away from her home. She travels by bus and after which she walks. Her distance travelled by bus is two times one more the distance travelled by walking. What distance did she cover by bus?
- p. The sum of three consecutive even integers is 138. What are the numbers?

- Homework: Textbook page 389 #1, 3, 4, 5, 6, 7. Complete this handout.